

DAQ Project Status Report For August 2005

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Effort Reporting and Project Activities Covered:	Project Activity	Effort Activity
DAQ Development	Yes	Yes
DAQ Support	Yes	Yes
DAQ Support/Front End	Yes	Yes
DAQ Support/Run II	Yes	Yes
DAQ Support/VxWorks	Yes	Yes

Project Leader's Report

DAQ support for Run II was mostly handling operational issues. There was a migration of D0 Online from OSF1 and KCC to Linux and GCC in the fall of last year that was highly successful.

Schedule/Milestones

Most of the effort is going toward long term support and operations and these generally do not have milestones and schedules associated with them. There was one major milestone associated with the migration of D0 Online to Linux and GCC during the 2004 Fall shutdown. There are currently no defined milestones for the DAQ projects at this time. Once the schedule for the next Nova review is known, it is expected there will be some documentation milestones defined in preparation for the review.

Resources used (budget, effort)

Budget numbers are taken from Crystal reports previous month end PA M&S Actual Obligations and Budget Details by Department on August 24th, 2005.

- **DAQ Development**
1.2 FTE months of effort.
- **DAQ Support**
1.4 FTE months of effort.
- **DAQ Support/Front End**
Year to date there has been no effort reported to this project.
- **DAQ Support/ Run II**
2.6 FTE months of effort.
- **DAQ Support/VxWorks**
2.3 FTE months of effort.

	<i>YTD Budget (\$)</i>	<i>YTD Obligation (\$)</i>	<i>Current PO Open Commit (\$)</i>	<i>Current Budget Balance (\$)</i>	<i>RIPs (\$)</i>
DAQ- DEVELOPMENT (Equipment)	0	0	0	0	0
DAQ- DEVLEOPMENT (Operating)	7607	8977	0	-1370	0
DAQ-SUPPORT (Operating)	0	577	0	-577	0
DAQ-ONLINE (Operating)	0	0	0	0	0

Related presentations, reports and/or documents

There are no related documents, presentations or reports attached at this time.

Sub-project leader reports

- **DAQ Development**

Recent activity has been in support of the NOVA experiment. Focus has been on helping the experiment get started on the path to preparing a plan for a data acquisition system. Worked on high level design architecture, requirements and deployment of a document database has begun.

- **DAQ Support**

Debugging and fixing connection timeout issue for E907/r2dm.

CAMAC support for Miniboone, Mtest facility, SNAP and several university and other remote institutions.

Support and debugging for MTBF data acquisition system.

PTA driver support for several users.

Mtest event building software and general readout electronics support.

- **DAQ Support/Front End**

Year to date there has been no effort reported to this project.

- **DAQ Support/ Run II**

Most of the effort was in operational support. Last fall D0 Online migrated from OSF1 to Linux which caused a significant jump in effort. Late in the migration we realized there were additional changes in the overall configuration of the system that delayed completion of our part of the migration. The support load for the new system ramped down soon after the migration completed.

CDF requested SunOS builds of merlin and CDF/r2dm which went fairly smoothly.

- **DAQ Support/VxWorks**

New hire has started acting as liaison between the lab and WindRiver systems and primary support for VxWorks. Still coming up to speed on all of the activities required of the position. There has been a several month gap between the departure of the previous liaison and the arrival of the new one.